

FEATURES

- Provides integration platform based on open systems architecture up to a 20 slot 6U(10.5") 160mm VME and/or cPCI configurations
- Customer specified I/O, backplane, and power supply
- Optional mounting features
- Optional and scalable liquid-to-fuel or liquid-to-air TMU
- Local and remote health monitoring and reporting of cooling system performance
- n+1 redundant pumps
- Top and bottom access I/O panels
- SprayCool Avionics Version 4 (AV4) environmental specifications

DESCRIPTION

The SIGINT Solution offers unmatched utility for high altitude airborne applications due to superior thermal management capabilities and the ability to operate in extreme environmental conditions. The SIGINT



Embedded Solution is designed to operate over extended temperature and altitude ranges, -65°C to 72°C and 0-70,000ft. ISR has overcome the challenges of implementing liquid cooling under these extreme conditions and is now providing SIGINT Solutions for signal processing applications. Sensors provide information critical to battle space awareness where previous systems could not gather, process and disseminate information fast enough. Real-time processing is a must and the SIGINT enables the latest, fastest and most power hungry processing capabilities to be deployed anywhere, especially where they are most needed, right near the sensor. Our systems accommodate any of the latest processors, such as FPGA, as well as the ability to stack electronics in 3-D configurations. SIGINT Solutions are available in a twenty slot 6U(10.5") 160mm configuration which supports current and future generations of open systems architectures and backplane technologies such as cPCI, VME64X or RACE ++. Customers have the flexibility of defining I/O, backplane, form factor, power supply and cooling capacity. 1200W liquid-to-air and liquid-to-fuel heat exchangers are currently available for Signal Intelligence applications.

QUICK SPECS

Power System	MIL-STD-704A	Dimensions	12.5" H x 17.8" W x 17.5" D
Typical Cooling Capacity	1200W	Weight	62.0 lbs
Electronics Form Factor	Customer specified 20 slot 6U (10.5") 160mm VME and/or cPCI	Finish	Customer specified, or black powder coat
ECS Interface	RS-232	Environmental Spec	SprayCool AV4
Fluids Available	3M Perfluorocarbons		